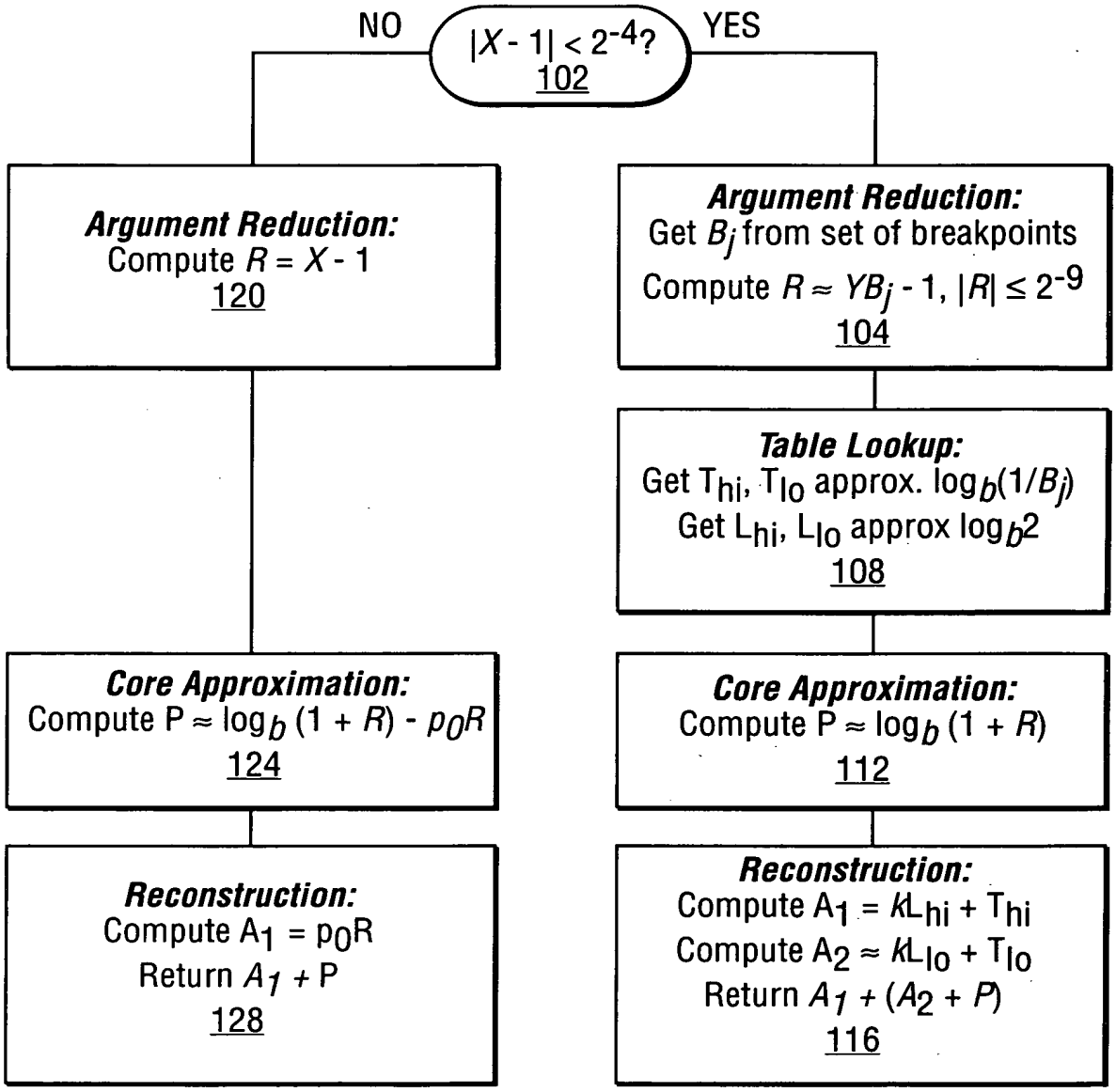
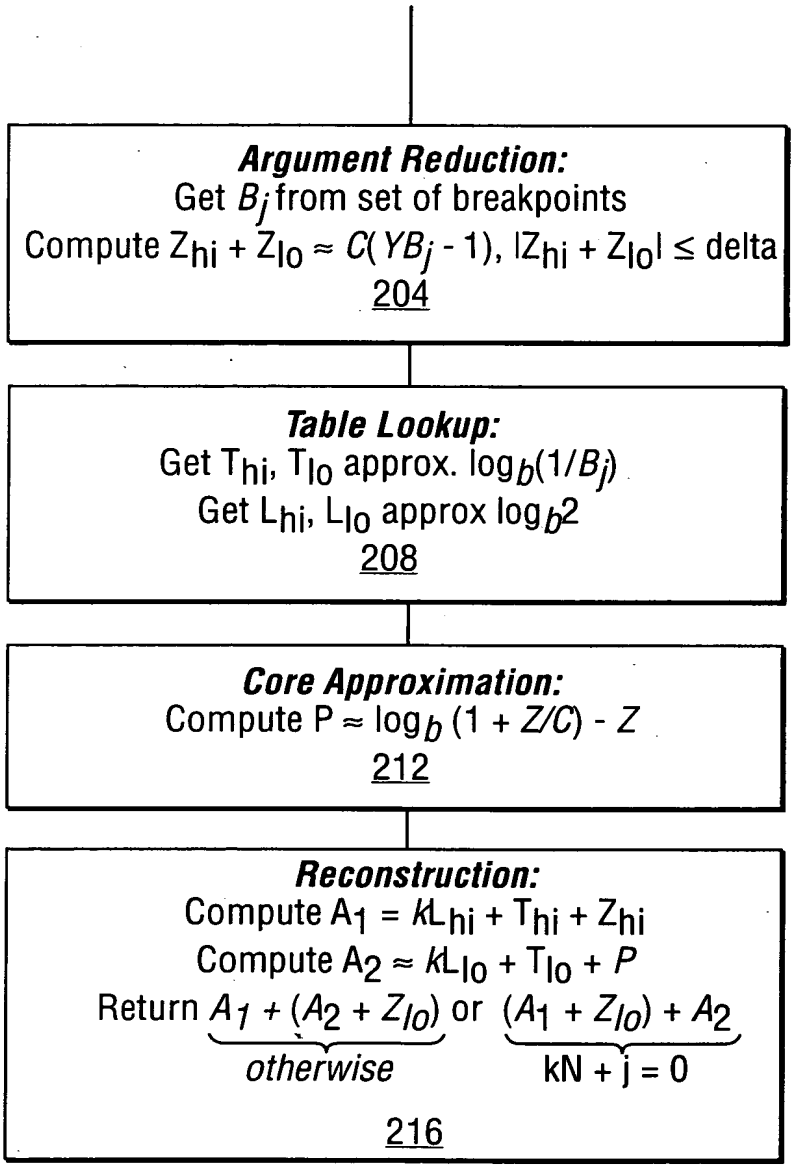


Table-Lookup Methology with a Branch, for $\log_b(X)$.

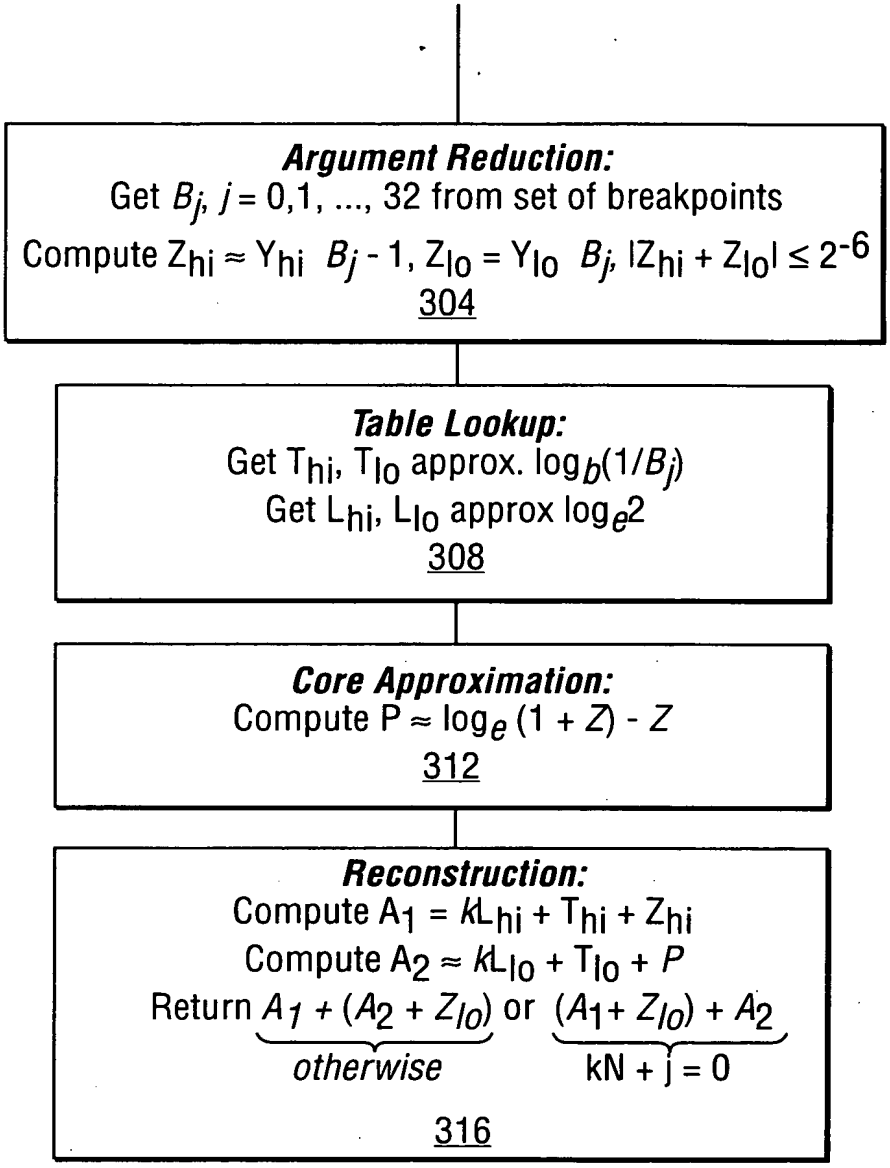
FIG. 1

(PRIOR ART)



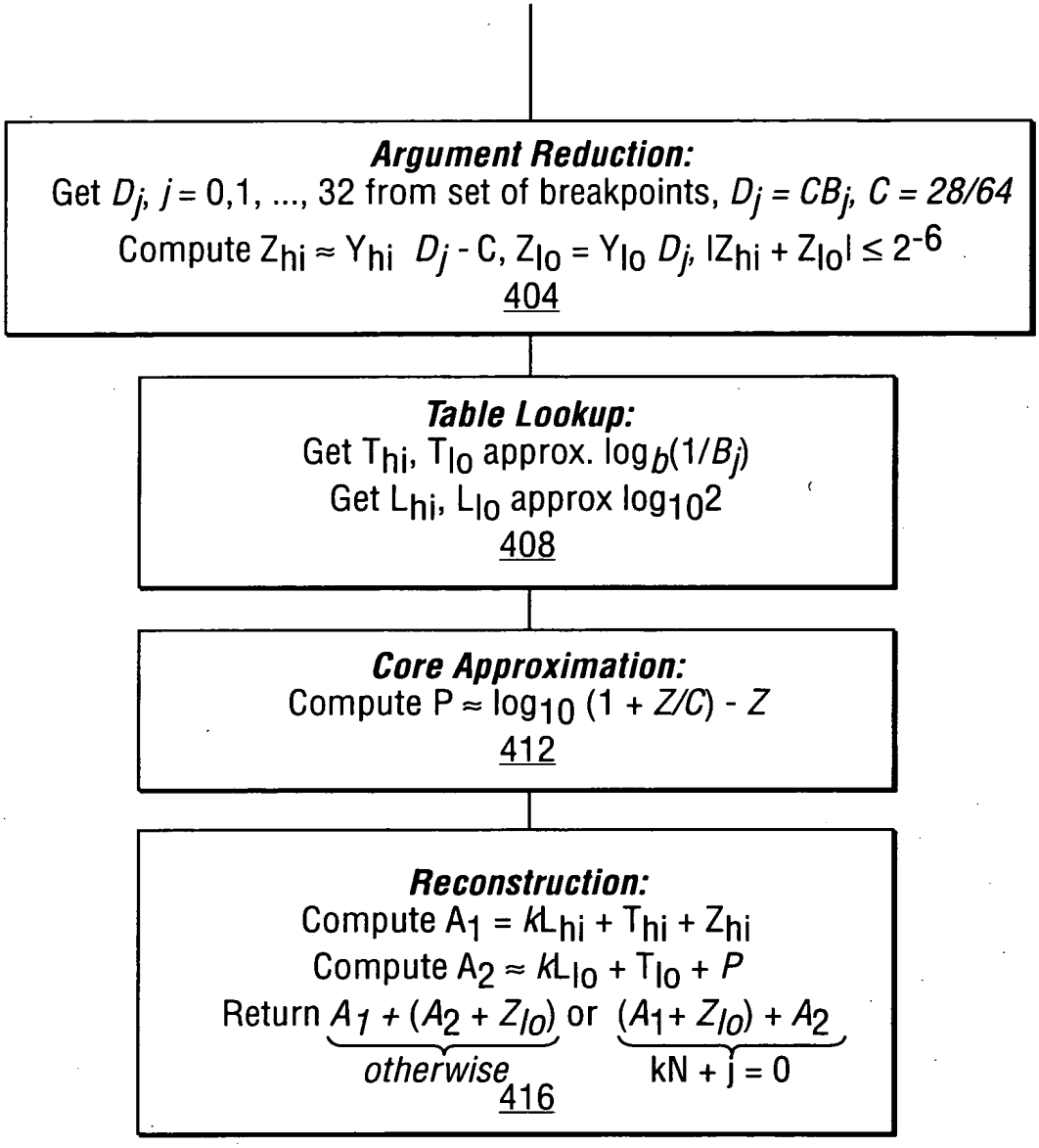
A Branch-Free Table-Lookup Methology for $\log_b(X)$.

FIG. 2



Branch-Free Table-Lookup $\log_e(X)$.

FIG. 3



Branch-Free Table-Lookup $\log_{10}(x)$.

FIG. 4

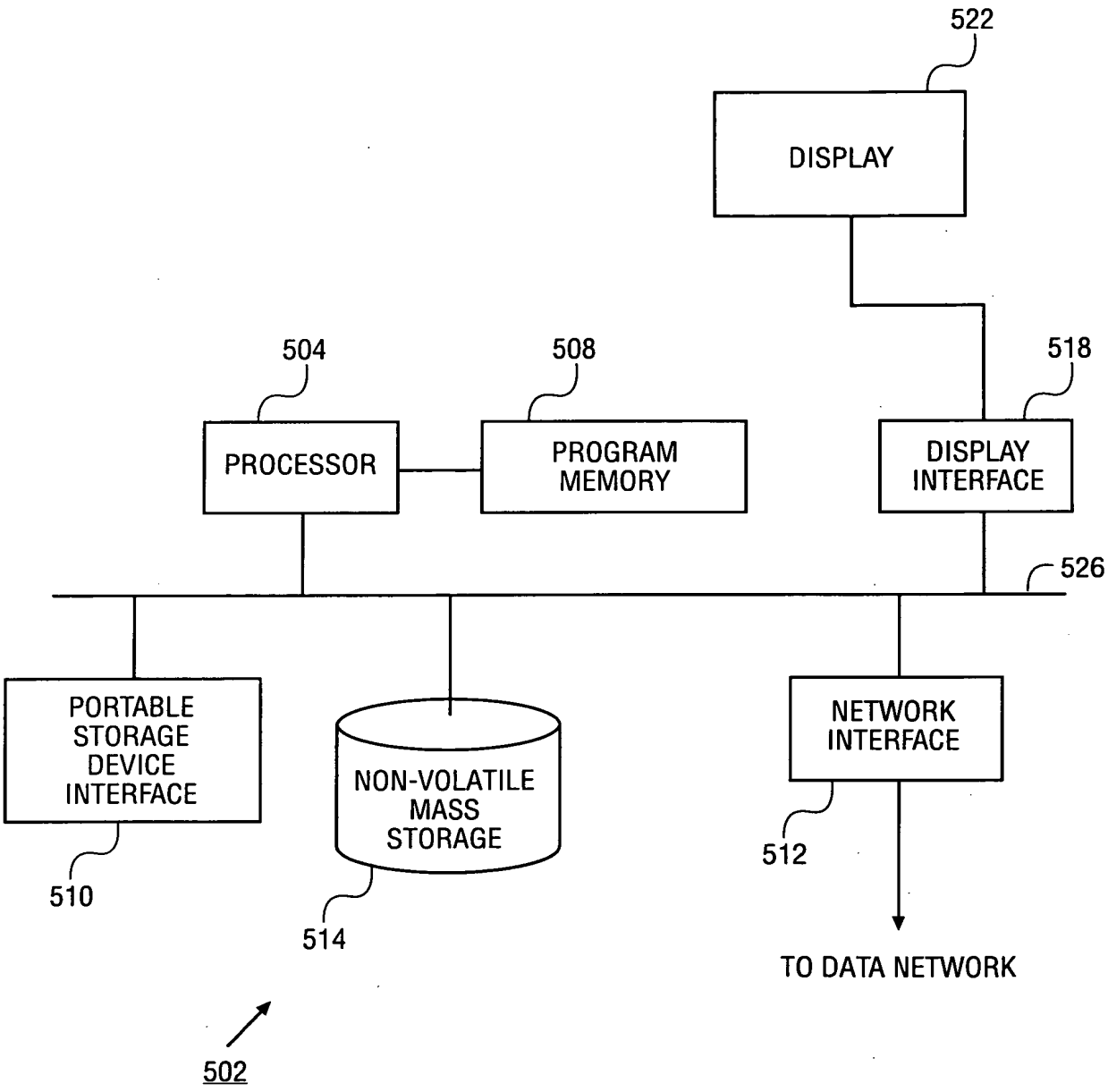

522
DISPLAY
504
508
518
PROCESSOR
PROGRAM MEMORY
DISPLAY INTERFACE
526
PORTABLE STORAGE DEVICE INTERFACE
NON-VOLATILE MASS STORAGE
NETWORK INTERFACE
510
514
512
TO DATA NETWORK
502

FIG. 5